PS-D707H

SERVICE MANUAL

AEP Model
E Model
Australian Model

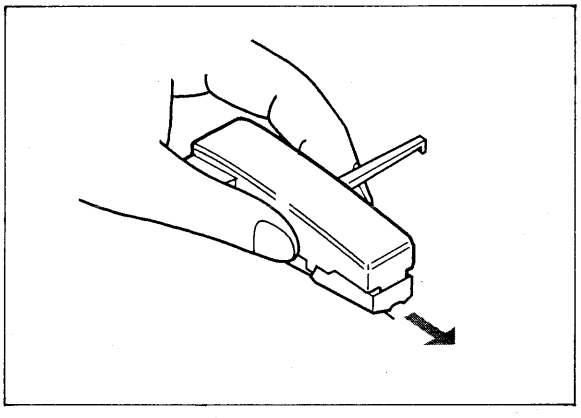
SPECIFICATIONS

Turntable	
Platter	30cm (12 in.)
Motor	DC servo motor
Drive system	Belt drive
Speed	33 1/3 rpm/45 rpm switchable
Wow and flutter	0.15% (WRMS)
Signal-to-noise ratio	65 dB (DIN-B)
Automatic system	Return, reject, lead in
Tonearm	
Type	Dynamically balanced
Pivot-to-stylus length	206 mm (7 7/8 in.)
Overall arm length	235 mm (9 3/8 in.)
Cartridge	
Type	Moving magnet type
Frequency response	20 Hz–20kHz
Stylus	CN-234
General	
Dimensions	360 × 98 × 365 mm (w/h/d) (14 1/16 × 3 5/8 × 14 3/8 inches)
Weight	Approx. 2.9 kg (6 lb 6 oz)
Power requirements	Model for Europe: 220 V AC, 50/60 Hz Model for Australia: 240 V AC, 50 Hz Model for other countries; 110–120 V, 220–240 V adjustable, 50/60 Hz
Power consumption	4 W
Accessory supplied	45-rpm adaptor (1)
Optional accessory	Replacement stylus CN-234

Design and specificatins subject to change without notice.

Note
This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

Replacing the Stylus



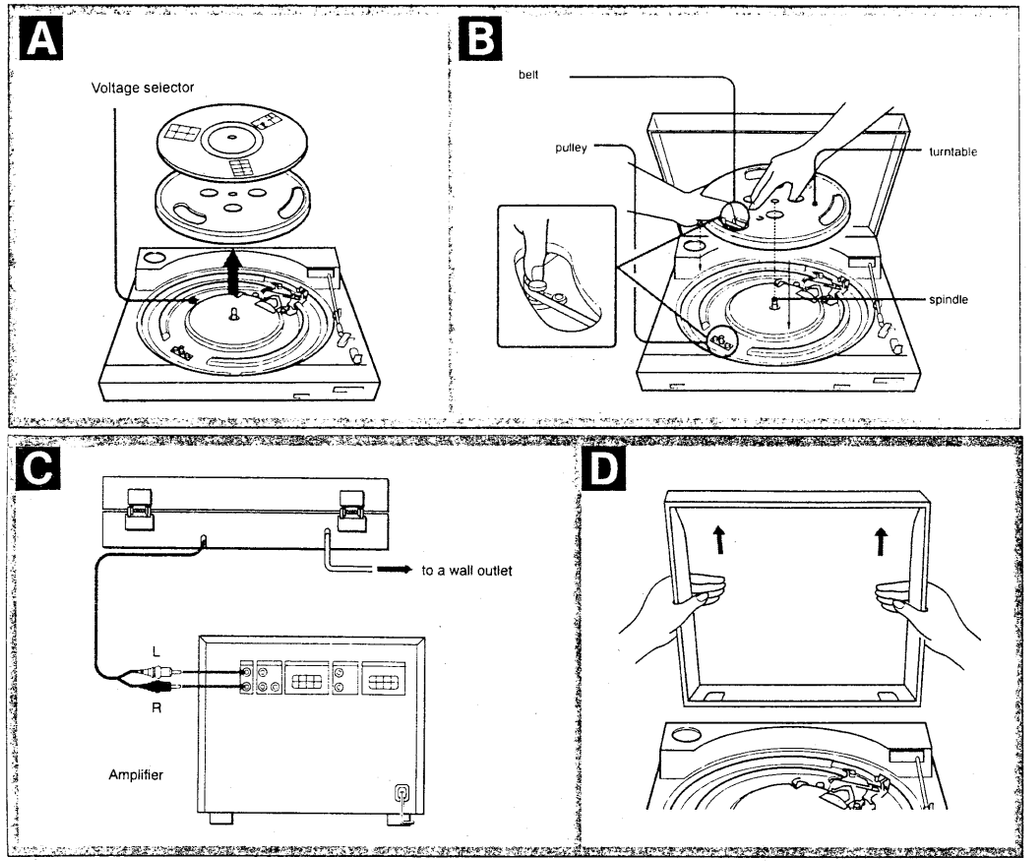
Replace the stylus after about 400 hours of use because using a worn stylus will damage records.
An CN-234 replacement stylus is available at your Sony dealer.
Be sure to turn the amplifier off before proceeding with replacement.

1 While holding the cartridge, detach the stylus assembly as illustrated.
2 Insert the new stylus into the cartridge.

STEREO TURNTABLE SYSTEM

SONY®

Connections



For the customers of the model equipped with the voltage selector (Fig. A)
Check that the voltage selector located under the turntable is set to the local power line voltage. If not, set the selector to the correct position before connecting AC power cord to a wall outlet.

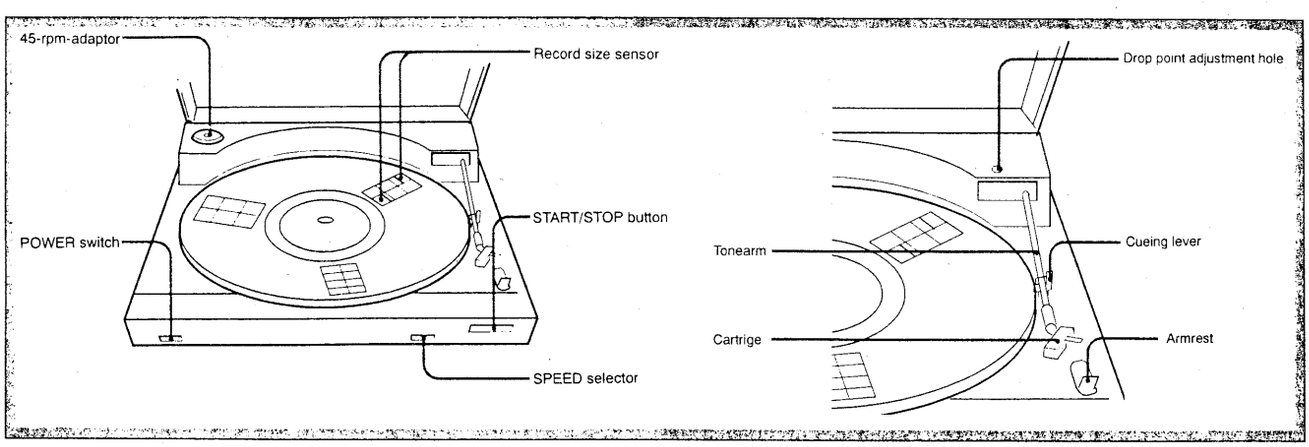
To install the turntable (Fig. B)
Gripping the three holes at the center of the turntable with your right hand, pull the black rubber belt on to the pulley with your left thumb. Set the turntable on the spindle, and hook the belt on the pulley. To make sure it operates properly, spin the turntable once or twice in the clockwise direction with your hand.

Connections (Fig. C)
Connect the red plug to the right-channel jack (R), and the white plug to the left-channel jack (L).

To remove the dust cover (Fig. D)
Open the cover fully and pull it up.

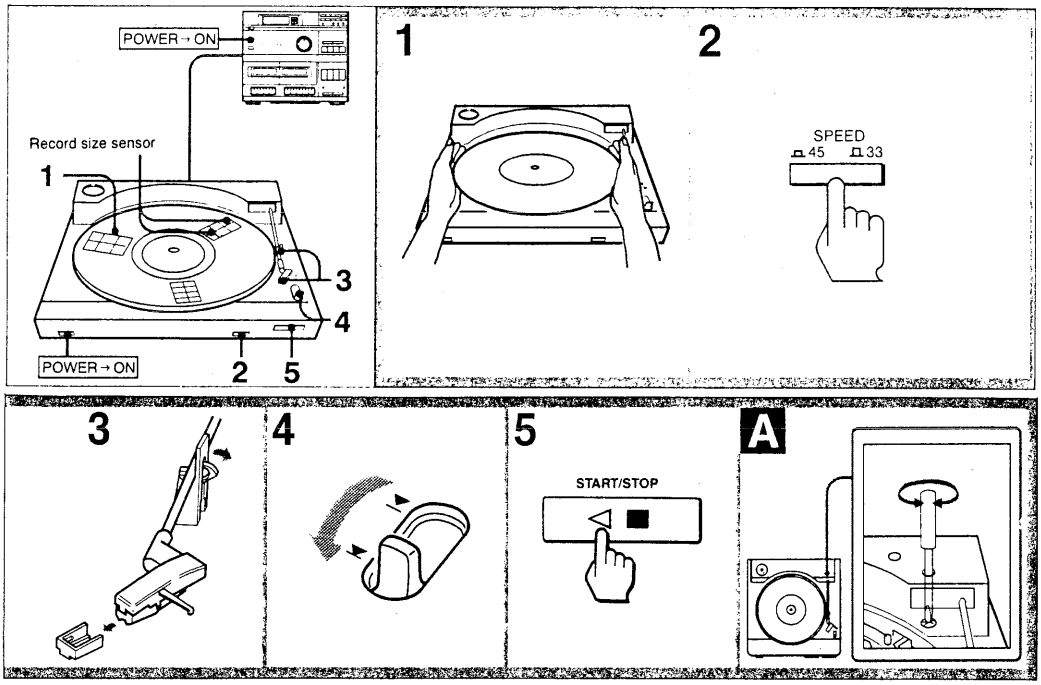
Notes on installation
- Place the turntable on a level surface.
- Avoid placing the unit near electrical appliances (such as a television, hair dryer, or fluorescent lamp) which may cause hum or noise.
- Place the turntable where it will not be subject to any vibration, such as from speakers, slamming of doors, etc.
- Keep the unit away from direct sunlight, extremes of temperature, and excessive dust and moisture.

Location of Controls



Playing Records

Playing from the Beginning



You don't have to select the record size
When the record is placed on the turntable, the size sensor automatically directs the tonearm to the beginning of the record.

When the record is played to the end, the tonearm returns to the armrest and the turntable stops.

To stop during play, press ◁■.

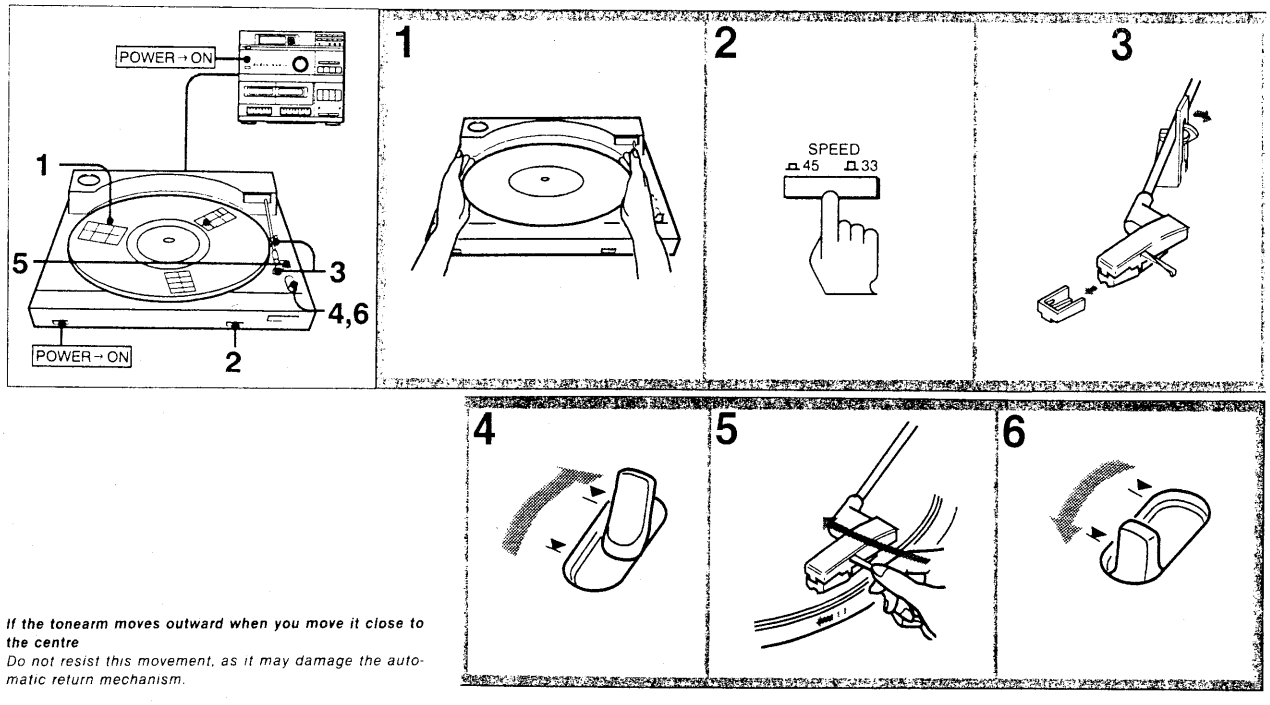
To play a different part of the record
Lift the tonearm by setting the cueing lever to ▼, move the tonearm by hand to the desired point, then set the cueing lever to ▼.

To play a 17-cm record
Use the supplied adaptor.

Adjusting the Drop-point of the Tonearm (Fig. A)

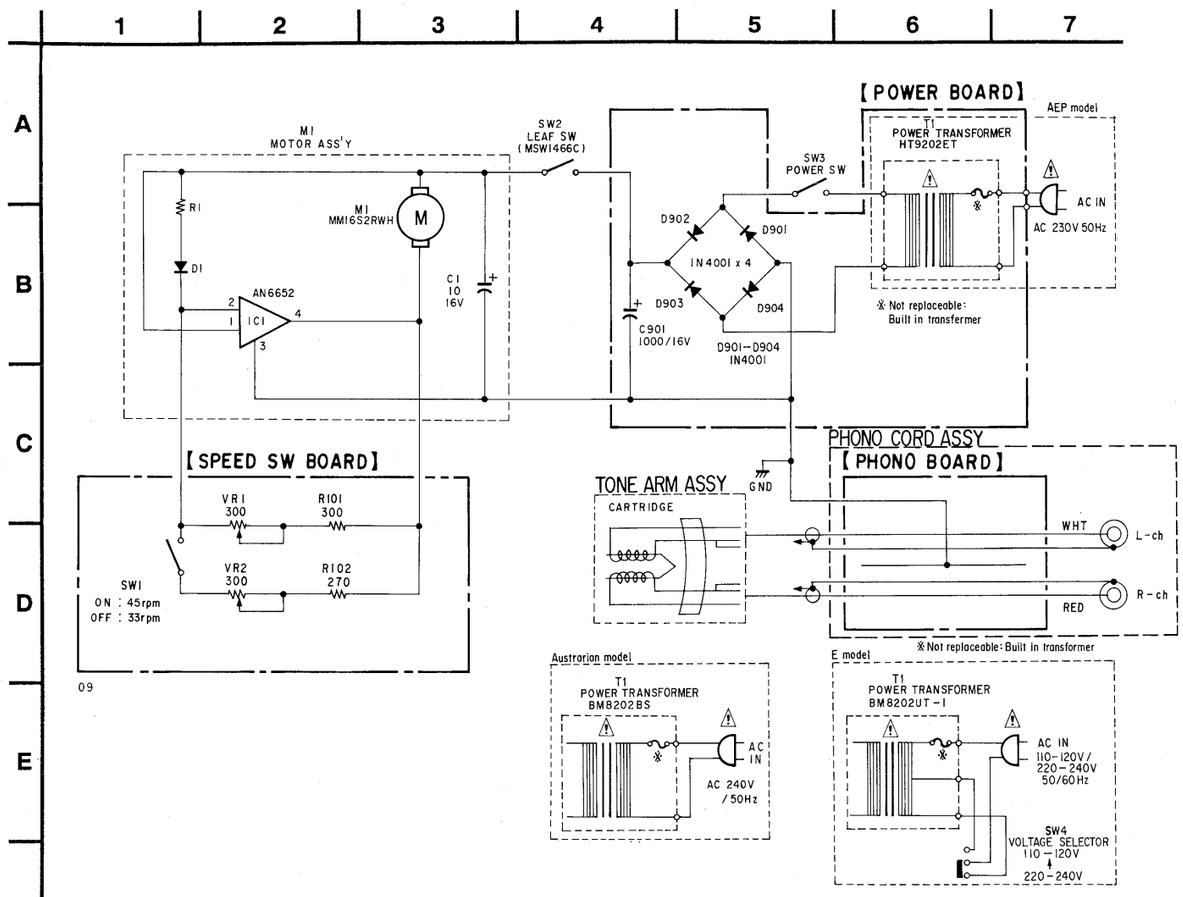
To readjust the drop-point inward ⓐ, turn the screw clockwise with a screwdriver.
To readjust the drop-point outward ⓑ, turn the screw counterclockwise.

Playing from a Desired Point



If the tonearm moves outward when you move it close to the centre
Do not resist this movement, as it may damage the automatic return mechanism.

SCHEMATIC DIAGRAM



Note:

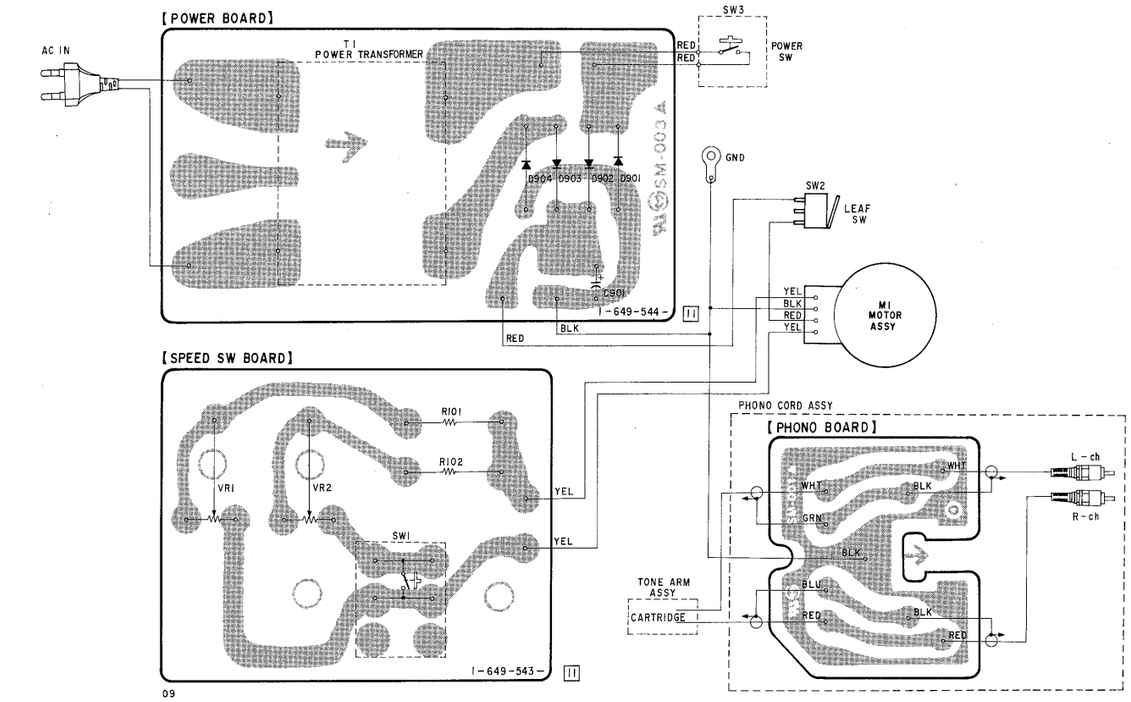
- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.

• Switches :

Ref. No.	Switch	Position
SW1	SPEED	33
SW2	MOTOR	OFF

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

WIRING DIAGRAM



Note:

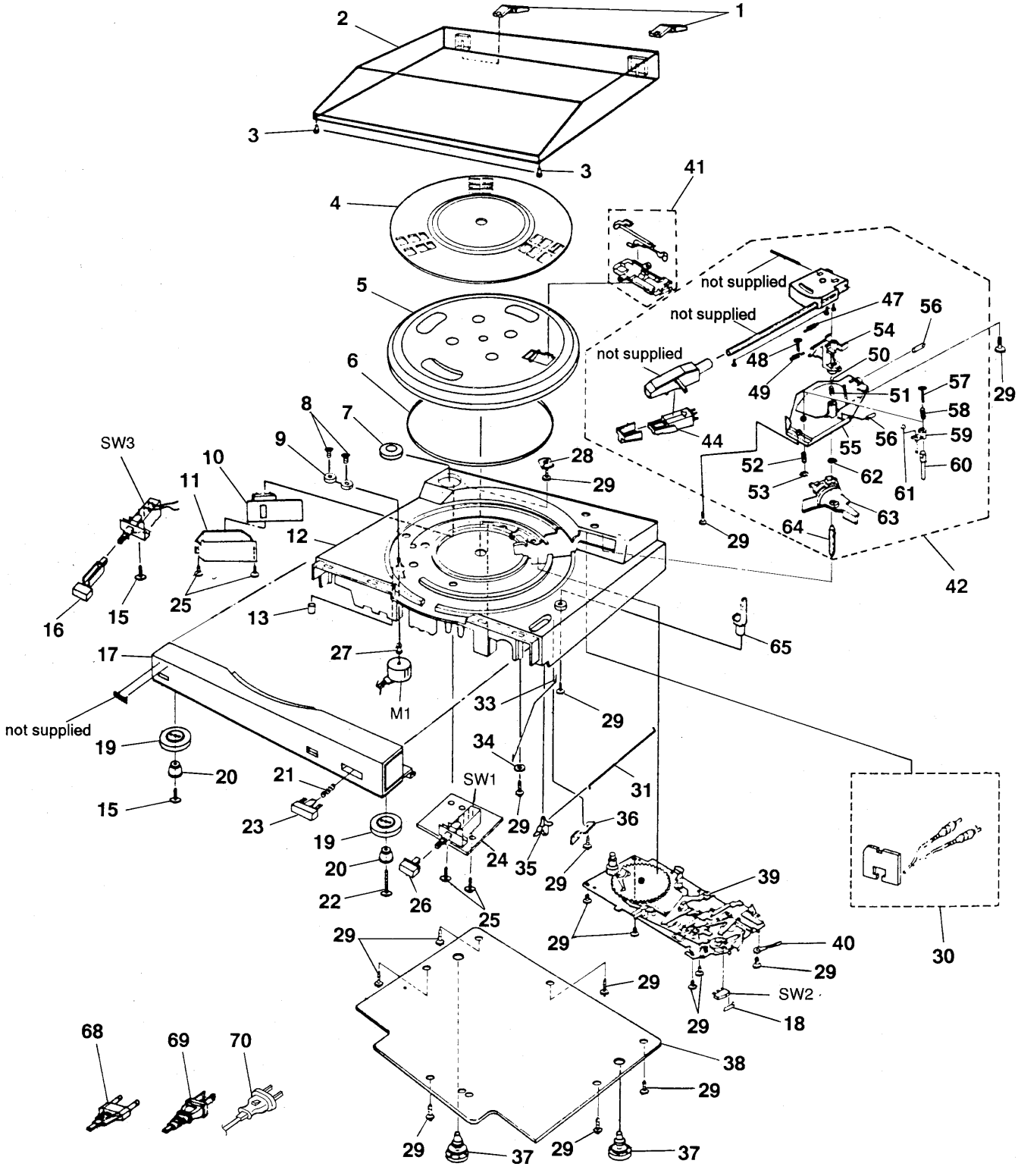
- ○—— : parts extracted from the component side.

EXPLODED VIEW

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- AUS: Australian model
- IT: Italian model
- EA: Saudi Arabia model
- MY: Malaysia model
- SP: Singapore model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.



Ref. No.	Part No.	Description	Remark
1	4-960-400-01	HINGE	
2	4-960-401-01	COVER DUST	
3	4-960-402-01	CUSHION DUST COVER	
4	4-960-457-01	RUBBER SHEET	
5	4-960-458-01	PLATTER	
6	4-960-459-01	DRIVING BELT	
7	4-960-403-01	ADAPTOR EP	
8	4-960-404-01	SCREW MOTOR SETTING	
9	4-960-405-01	CUSHION MOTOR	
* 10	1-649-544-11	POWER BOARD	
11	4-960-406-01	COVER PCB POWER	
* 12	4-960-407-01	CABINET UPPER	
13	4-960-408-01	CUSHION MOTOR (A)	
15	4-960-217-01	WASHER SCREW TAP WPH	
16	4-960-409-01	KNOB POWER	
17	4-960-410-01	FRONT PANEL	
18	4-960-448-01	LEVER SWITCH	
19	4-960-411-01	HOUSING FOOT	
20	4-960-412-01	FOOT RUBBER	
21	4-960-444-01	SPRING BOTTON	
22	4-960-218-01	WASHER SCREW TAP WPH	
23	4-960-413-01	KNOB START/STOP	
* 24	1-649-543-11	SPEED SW BOARD	
25	4-960-452-01	SCREW TAP BH	
26	4-960-450-01	KNOB SPEED	
27	4-960-451-01	PULLEY MOTOR	
28	4-960-416-01	STOPPER CORD	
29	4-960-220-01	SCREW TAP WPH	
30	A-4660-492-A	CORD, PHONO ASSY	
31	4-960-434-01	LINK CUEING	
33	4-960-440-01	LINK S/CUT	
34	4-960-441-01	WASHER PLAIN	
35	4-960-442-01	LEVER CUEING	
36	4-960-443-01	B.K.T CUEING LEVER	
37	4-960-449-01	FOOT RUBBER	

Ref. No.	Part No.	Description	Remark
* 38	4-960-445-01	COVER BOTTOM	
39	A-4660-493-A	MECHA ASSY	
40	A-4660-494-A	RING TERMINAL ASSY	
41	A-4660-490-A	SENSOR ASSY	
42	A-4660-424-A	TONE ARM ASSY	
44	4-948-095-01	COVER, CARTRIDGE	
47	4-960-456-01	SPRING WEIGHT	
48	4-960-417-01	SCREW TAP PH	
49	4-960-418-01	SPRING ADJUST	
50	4-960-419-01	BALL STEEL	
51	4-960-420-01	SPRING TENSION	
52	4-960-421-01	SPRING ELEVATION	
53	4-960-422-01	E-RING	
54	4-960-423-01	ARM HOLDER	
55	4-960-424-01	BASE TONE ARM	
56	4-960-425-01	STOPPER WIRE	
57	4-960-426-01	SCREW FH	
58	4-960-427-01	SPRING ADJUST (E/V)	
59	4-960-428-01	ARM ELEVATION	
60	4-960-429-01	SHAFT ELEVATION	
61	4-960-430-01	SLIDE ELEVATION	
62	4-960-431-01	WASHER POLY SLIDE	
63	4-960-432-01	ARM FEED	
64	4-960-433-01	SHAFT SPINDLE	
65	A-4660-491-A	ARM STAND ASSY	
⚠68	1-575-651-11	CORD, POWER (AEP, IT, EA, MY)	
⚠69	1-590-074-11	CORD, POWER (E, SP, Tourist)	
⚠70	1-690-608-11	CORD, POWER (AUS)	
M1	1-698-210-11	MOTOR	
SW1	1-572-744-21	SWITCH PUSH (SPEED)	
SW2	1-572-746-21	SWITCH MICRO	
SW3	1-572-744-21	SWITCH PUSH	
⚠SW4	1-692-835-11	VOLTAGE SELECTOR (E, EA, MY, SP, AUS, Tourist)	

POWER | SPEED SW

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- AUS: Australian model
- IT: Italian model
- EA: Saudi Arabia model
- MY: Malaysia model
- SP: Singapore model

Ref. No.	Part No.	Description	Remark
*	1-649-544-11	POWER BOARD	
		**********	
		< CAPACITOR >	
C901	1-124-360-00	ELECT 1000uF 10V	
		< DIODE >	
D901	9-719-200-02	DIODE 10E-2	
D902	9-719-200-02	DIODE 10E-2	
D903	9-719-200-02	DIODE 10E-2	
D904	9-719-200-02	DIODE 10E-2	
		< TRANSFORMER >	
⚠T1	1-423-815-11	TRANSFORMER, POWER (AEP, IT)	
⚠T1	1-423-815-21	TRANSFORMER, POWER (E, EA, MY, SP, AUS, Tourist)	
**********			
*	1-649-543-11	SPEED SW BOARD	
		**********	
		< RESISTOR >	
R101	1-247-818-11	CARBON 300	
R102	1-249-410-11	CARBON 270	
		< VARIABLE RESISTOR >	
VR1	1-230-625-11	VARIABLE RESISTOR 300	
VR2	1-230-625-11	VARIABLE RESISTOR 300	
		< SWITCH >	
SW1	1-572-746-21	SWITCH PUSH (SPEED)	
**********			

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
⚠68	1-575-651-11	CORD, POWER (AEP, IT, EA, MY)	
⚠69	1-590-074-11	CORD, POWER (E, SP, Tourist)	
⚠70	1-690-608-11	CORD, POWER (AUS)	
SW2	1-572-746-21	SWITCH MICRO	
SW3	1-572-744-21	SWITCH PUSH	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	3-757-234-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (AEP)	
	3-757-234-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP, IT)	
	3-757-234-51	MANUAL, INSTRUCTION (AUS, E)	
*	4-960-026-01	INDIVIDUAL CARTON	

9-957-932-12
(Including 9-957-932-81)

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